In the claims:

Please substitute the following full listing of claims for the claims as originally filed or most recently amended.

- 1. (Previously Presented) A field effect transistor formed at a surface of a layer of semiconductor material, said field effect transistor comprising
- a gate structure formed on said surface of said layer of semiconductor material, and
- a discontinuous film of material within said layer of semiconductor material and having a discontinuity formed in alignment with said gate structure.
- 2. (Previously Presented) A field effect transistor as recited in claim 1, wherein said discontinuity is self-aliqued with said gate structure.
- 3. (Original) A field effect transistor as recited in claim 1, wherein said discontinuous film is a stressed film
- 4. (Original) A field effect transistor as recited in claim 3, wherein said stressed film comprises an insulator.
- 5. (Original) A field effect transistor as recited in claim 1, wherein said discontinuous film comprises an insulator.
- 6. (Original) A field effect transistor as recited in claim 1, wherein said discontinuous film has a stepped or staircase profile in cross-section.

- 7. (Original) A field effect transistor as recited in claim 3, wherein said stressed film has a stepped or staircase profile in cross-section.
- 8. (Original) A field effect transistor as recited in claim 7 wherein said stepped or staircase portion defines an effective channel depth.
- 9. (Original) A field effect transistor as recited in claim 1, wherein said discontinuous film is an insulator including a portion formed of oxidized SiGe, wherein said discontinuity defines a location of a conductor connected to a channel of said field effect transistor.
- 10. (Original) A field effect transistor as recited in claim 1, further including a void within said layer of semiconductor material.
- 11. (Previously Presented) An integrated circuit including a field effect transistor formed at a surface of a layer of semiconductor material, said field effect transistor comprising
- a gate structure formed on said surface of said layer of semiconductor material, and
- a discontinuous film of material within said layer of semiconductor material and having a discontinuity formed in alignment with said gate structure.
- 12. (Original) An integrated circuit as recited in claim 11, wherein said discontinuous film has a stepped or staircase profile in cross-section.
- 13. (Currently Amended) An integrated circuit as recited in claim $\frac{11}{2}$ wherein said stepped or staircase portion

defines an effective channel depth.

- 14. (Original) An integrated circuit as recited in claim 11, wherein said discontinuous film is an insulator including a portion formed of oxidized SiGe, wherein said discontinuity defines a location of a conductor connected to a channel of said field effect transistor.
- 15. (Original) An integrated circuit as recited in claim 11, further including a void within said layer of semiconductor material.
- 16. 20 (Canceled)
- 21. (New) A field effect transistor formed at a surface of a layer of semiconductor material, said field effect transistor comprising

a gate structure formed on said surface of said layer of semiconductor material, and

a discontinuous film of material within said layer of semiconductor material at a predetermined distance from said surface of said layer of semiconductor material, said discontinuous film having a discontinuity which includes an edge which is located in a position defined by an edge said gate structure,

said discontinuity defining a structure for performing at least one of:

defining a depth of a conduction channel of said field effect transistor within said layer of semiconductor material to less than said predetermined distance from said surface of said semiconductor material; and

applying stress to said conduction channel of said field effect transistor.

- 22. (New) A field effect transistor as recited in claim 21, wherein said discontinuity is self-aligned with said gate structure.
- 23. (New) A field effect transistor as recited in claim
- 21, wherein said discontinuous film is a stressed film
- 24. (New) A field effect transistor as recited in claim
- 23, wherein said stressed film comprises an insulator.
- 25. (New) A field effect transistor as recited in claim
- 21, wherein said discontinuous film comprises an insulator.